

### REMARKS

Claims 1-46 are pending in the application.

Claims 1-19, 30-31 and 33-46 are allowed. Claims 20-29 and 32 remain rejected.

Claim 20 has been amended herein to correct a minor informality. The extraneous "of" in claim 24 has been removed.

Claims 23-25 and 32 have been amended to clarify the claimed invention. No new matter is entered.

Claims 20-22 are rejected under 35 U.S.C. §112, second paragraph, as being indefinite. In view of the clarification made to claim 20, it is respectfully requested the rejection be withdrawn.

Claims 23 and 32 are rejected under 35 U.S.C. §102(e) as being anticipated by Ihara et al. (Ihara). Claims 24-29 are rejected under 35 U.S.C. §103(a) as being unpatentable over Ihara et al., in view of Gale et al. (US 6,487,495).

As pointed out in the office action neither of Ihara nor Gale et al. teach at least the features of the bubble data being able to (i) change a size or a shape of itself, (ii) operate a generation, a disappearance and limit times of access, and (iii) detect a moving object.

Applicant's claims 23-25 and 32 include at least this distinguishing features.


Plus it is respectfully submitted that Ihara fails to teach the features of: said mapping unit representing the object in the three-dimensional space and displaying service information on said displaying unit, the service information being linked with the object.

It is respectfully submitted the rejections by Ihara and Gale et al. should be withdrawn.

In view of the remarks set forth above, this application is in condition for allowance which action is respectfully requested. However, if for any reason the Examiner should consider this application not to be in condition for allowance, the Examiner is respectfully requested to telephone the undersigned attorney at the number listed below prior to issuing a further Action.

Any fee due with this paper may be charged to Deposit Account No. 50-1290.

Respectfully submitted,

  
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